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(11) **EP 0 700 685 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
12.01.2000 Bulletin 2000/02

(51) Int. Cl.⁷: **A61L 27/00**, **A61L 31/00**

(43) Date of publication A2:
13.03.1996 Bulletin 1996/11

(21) Application number: **95114265.2**

(22) Date of filing: **11.09.1995**

(84) Designated Contracting States:
CH DE LI

(30) Priority: **12.09.1994 JP 24242494**
11.10.1994 JP 27015694
08.02.1995 JP 4260495
08.02.1995 JP 4260595
15.08.1995 JP 22863495

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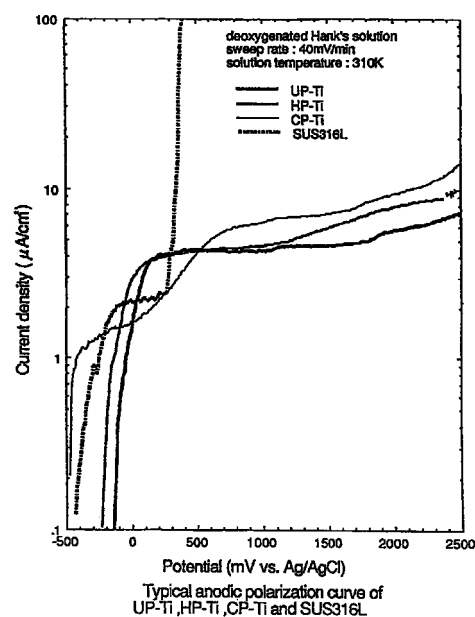
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(54) **Titanium implantation materials for the living body**

(57) Implantation materials for the living body comprising: 10 to 4000 ppm of gaseous ingredients combined, mainly composed of oxygen; up to 100 ppm of ingredients other than the gaseous ingredients such as iron; and the balance titanium. An oxide film is formed on the surface, where necessary, by anodizing or the like. Titanium fixation wires for implanting in the living body composing: up to 300 ppm oxygen, up to 50 ppm hydrogen, up to 200 ppm nitrogen, and up to 400 ppm carbon, all as gaseous ingredients; up to 100 ppm of ingredients other than the gaseous ingredients such as iron; and the balance titanium. For applications where strength is the primary consideration, the wires comprise: from more than 100 to 1000 ppm of iron; up to 250 ppm oxygen, up to 50 ppm hydrogen, up to 170 ppm nitrogen, and up to 400 ppm carbon, all as gaseous ingredients; up to 100 ppm of iron and ingredients other than the gaseous ingredients; and the balance titanium.

FIG. 1





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EUROPEAN SEARCH REPORT

Application Number
EP 95 11 4265

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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 5 November 1999	Examiner Menidjel, R
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03.82 (P04C01)



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**ANNEX TO THE EUROPEAN SEARCH REPORT
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The members are as contained in the European Patent Office EDP file on
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